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PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Toshiharu YAMASHITA, et al.

Appln. No.: 10/032,539

Confirmation No.: 5593

Group Art Unit: NOT YET ASSIGNED

Filed: January 02, 2002

Examiner: NOT YET ASSIGNED

For: POLARIZING GLASS AND PREPARATION METHOD THEREOF

PRELIMINARY AMENDMENT

Commissioner for Patents
Washington, D.C. 20231

Sir:

Prior to examination, please amend the above-identified application as follows:

P.W.
4/A
7-17-02

IN THE SPECIFICATION:

On page 11, delete Table 1 and replace it with the attached new Table 1.

[0030]

Table 1

Embodiments and comparative examples of the present invention (components given as weight percentages)

	Embodiment 1	Embodiment 2	Embodiment 3
SiO ₂	59.1	57.5	61.0
B ₂ O ₃	18.1	20.5	17.2
Al ₂ O ₃	2.0	3.5	--
Li ₂ O ₃	1.8	1.8	2.2
Na ₂ O	--	--	1.0
K ₂ O	8.1	9.0	6.9
BaO	3.4	1.2	2.2
TiO ₂	1.5	--	2.0
ZrO ₂	5.9	6.5	7.5
Ag	0.3	0.4	0.4
CuO	--	--	--
CeO ₂	--	--	--
Cl	0.6	0.5	0.6
Br	--	0.3	--
Heat Treatment	760°C 1 hr	730°C 2 hrs	740°C 5 hrs
Mean particle size	140 μ m 100 nm	95 μ m 95 nm	100 μ m 100 nm
Appearance following heat treatment	Slightly opaque, translucent	Slightly opaque, translucent	Slightly opaque, translucent
Deposition of metallic silver	Absent	Absent	Absent
Deposition of crystals other than silver halide	Absent	Absent	Absent
Photochromism	Absent	Absent	Absent
Elongation temperature	685°C	675°C	695°C
Elongation tension	177 Kg/cm ²	200 Kg/cm ²	200 Kg/cm ²
Reduction heat treatment	440°C 16 hrs	430°C 8 hrs	450°C 4 hrs
Extinction ratio			
1.31 μ m	54 dB	56 dB	55 dB
1.55 μ m	50 dB	50 dB	54 dB
Insertion loss			
1.31 μ m	0.04 dB	0.03 dB	0.03 dB
1.55 μ m	0.04 dB	0.03 dB	0.03 dB